

**Amendments to and Listing of the Claims:**

Please cancel claims 1-2 and 4-10 without prejudice to the filing of a divisional application and amend claim 3, and add new claim 11, so that the claims read as follows:

1-2. (Cancelled)

3. (Currently Amended) A device for determining hydrogen peroxide in body fluid comprising:

a first mobile phase passage for body fluid, having into which the body fluid is injected by a first chromatography pump for chromatography and an autosampler;

a second mobile phase passage, having a pump for chromatography for into which a solution of imidazoles and an alkaline buffer is injected by a second chromatography pump;

a flow passage which joins into which the first and second mobile phase passages, join thereby mixing the body fluid and the solution of imidazoles and alkaline buffer in the flow passage; and

a chemiluminometer connected to which the flow passage connects, said chemiluminometer having a flow cell in which where a horseradish peroxidase immobilized stationary phase is packed and a photomultiplier in contiguity with a surface of the flow cell,

wherein the body fluid and the solution of imidazoles and alkaline buffer carried by the flow passage are mixed with the horseradish peroxidase in the flow cell of the chemiluminometer and promote a chemiluminescence reaction having a chemiluminescence intensity which is measured by the chemiluminometer for determining the hydrogen peroxide in the body fluid.

4-10. (Cancelled)

11. (New) The device according to claim 3, wherein the chemiluminometer further comprises a photomultiplier in contiguity with a surface of the flow cell.